

JAN 07 2002

# SEQUENCE LISTING

<110> NAKANE et al.

<120> FARNESYL DIPHOSPHATE SYNTHASE

<130> 77670-593

<140> 09/902,651

<141> 2001-07-12

<150> 08/898,560

<151> 1997-07-22

<150> JP8-213211

<151> 1996-07-24

<160> 14

<170> FastSEQ for Windows Version 4.0

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<213> Sulfolobus acidocaldarius

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Ala Ser Tyr His Leu Phe Thr Ser Gly Gly Lys Arg Leu Arg Pro Leu
 35          40          45
Ile Leu Thr Ile Ser Ser Asp Leu Phe Gly Gly Gln Arg Glu Arg Ala
 50          55          60
Tyr Tyr Ala Gly Ala Ala Ile Glu Val Leu His Thr Phe Thr Leu Val
 65          70          75          80
His Asp Asp Ile Met Asp Gln Asp Asn Ile Arg Arg Gly Leu Pro Thr
 85          90          95
Val His Val Lys Tyr Gly Leu Pro Leu Ala Ile Leu Ala Gly Asp Leu
100          105          110
Leu His Ala Lys Ala Phe Gln Leu Leu Thr Gln Ala Leu Arg Gly Leu
115          120          125
Pro Ser Glu Thr Ile Ile Lys Ala Phe Asp Ile Phe Thr Arg Ser Ile
130          135          140
Ile Ile Ile Ser Glu Gly Gln Ala Val Asp Met Glu Phe Glu Asp Arg
145          150          155          160
Ile Asp Ile Lys Glu Gln Glu Tyr Leu Asp Met Ile Ser Arg Lys Thr
165          170          175
Ala Ala Leu Phe Ser Ala Ser Ser Ser Ile Gly Ala Leu Ile Ala Gly
180          185          190
Ala Asn Asp Asn Asp Val Arg Leu Met Ser Asp Phe Gly Thr Asn Leu
195          200          205
Gly Ile Ala Phe Gln Ile Val Asp Asp Ile Leu Gly Leu Thr Ala Asp
210          215          220
Glu Lys Glu Leu Gly Lys Pro Val Phe Ser Asp Ile Arg Glu Gly Lys
225          230          235          240
Lys Thr Ile Leu Val Ile Lys Thr Leu Glu Leu Cys Lys Glu Asp Glu
245          250          255
Lys Lys Ile Val Leu Lys Ala Leu Gly Asn Lys Ser Ala Ser Lys Glu
260          265          270
Glu Leu Met Ser Ser Ala Asp Ile Ile Lys Lys Tyr Ser Leu Asp Tyr

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TECH CENTER 1600/2900

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Ala Tyr Asn Leu Ala Glu Lys Tyr Tyr Lys Asn Ala Ile Asp Ser Leu		
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Asn Gln Val Ser Ser Lys Ser Asp Ile Pro Gly Lys Ala Leu Lys Tyr		
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Leu Ala Glu Phe Thr Ile Arg Arg Arg Lys		320
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gac att att aag agc tat ata tct gga gat gtt cct aaa cta tat gaa	96
Asp Ile Ile Lys Ser Tyr Ile Ser Gly Asp Val Pro Lys Leu Tyr Glu	
20 25 30	
gcc tca tat cat ttg ttt aca tct gga ggt aag agg tta aga cca tta	144
Ala Ser Tyr His Leu Phe Thr Ser Gly Gly Lys Arg Leu Arg Pro Leu	
35 40 45	
atc tta act ata tca tca gat tta ttc gga gga cag aga gaa aga gct	192
Ile Leu Thr Ile Ser Ser Asp Leu Phe Gly Gly Gln Arg Glu Arg Ala	
50 55 60	
tat tat gca ggt gca gct att gaa gtt ctt cat act ttt acg ctt gtg	240
Tyr Tyr Ala Gly Ala Ala Ile Glu Val Leu His Thr Phe Thr Leu Val	
65 70 75 80	
cat gat gat att atg gat caa gat aat atc aga aga ggg tta ccc aca	288
His Asp Asp Ile Met Asp Gln Asp Asn Ile Arg Arg Gly Leu Pro Thr	
85 90 95	
gtc cac gtg aaa tac ggc tta ccc tta gca ata tta gct ggg gat tta	336
Val His Val Lys Tyr Gly Leu Pro Leu Ala Ile Leu Ala Gly Asp Leu	
100 105 110	
cta cat gca aag gct ttt cag ctc tta acc cag gct ctt aga ggt ttg	384
Leu His Ala Lys Ala Phe Gln Leu Leu Thr Gln Ala Leu Arg Gly Leu	
115 120 125	
cca agt gaa acc ata att aag gct ttc gat att ttc act cgt tca ata	432
Pro Ser Glu Thr Ile Ile Lys Ala Phe Asp Ile Phe Thr Arg Ser Ile	
130 135 140	
ata att ata tcc gaa gga cag gca gta gat atg gaa ttt gag gac aga	480
Ile Ile Ile Ser Glu Gly Gln Ala Val Asp Met Glu Phe Glu Asp Arg	
145 150 155 160	
att gat ata aag gag cag gaa tac ctt gac atg atc tca cgt aag aca	528
Ile Asp Ile Lys Glu Gln Glu Tyr Leu Asp Met Ile Ser Arg Lys Thr	
165 170 175	

gct gca tta ttc tcg gca tcc tca agt ata ggc gca ctt att gct ggt	576
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180 185 190	
gct aat gat aat gat gta aga ctg atg tct gat ttc ggt acg aat cta	624
Ala Asn Asp Asn Asp Val Arg Leu Met Ser Asp Phe Gly Thr Asn Leu	
195 200 205	
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Gly Ile Ala Phe Gln Ile Val Asp Asp Ile Leu Gly Leu Thr Ala Asp	
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gaa aag gaa ctt gga aag cct gtt ttt agt gat att agg gag ggt aaa	720
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225 230 235 240	
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Glu Leu Met Ser Ser Ala Asp Ile Ile Lys Lys Tyr Ser Leu Asp Tyr	
275 280 285	
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Ala Tyr Asn Leu Ala Glu Lys Tyr Tyr Lys Asn Ala Ile Asp Ser Leu	
290 295 300	
aat caa gtc tcc tct aag agt gat ata cct gga aag gct tta aaa tat	960
Asn Gln Val Ser Ser Lys Ser Asp Ile Pro Gly Lys Ala Leu Lys Tyr	
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Leu Ala Glu Phe Thr Ile Arg Arg Arg Lys *	
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